

Rails to Trails

Routine Condition Culvert Inspection Form

Crossing	Structure #	Site #	Length	UTM Zone and E	UTM N
WEIRD CREEK	KV-014	KV-014	~60m	11/348737	5491869
Trail Name	Km		Dimension	Culvert Material	Flumes (Y or N)
KVRT	94.2		1200Hx1200W	Conc	N
Inspection Co. Name	Inspector's Name /Signature			Inspection Date:	9-Jul-12
SNT Engineering Ltd.	J Cox			Next Inspection:	9-Jul-14

GENERAL INFORMATION:						
LEFT/RIGHT APPROACHES (as seen facing downstream)						
E = excellent; G = good; F = fair; P = poor; N/A = not appl.						
Item	Present Condition (circle or fill-in)					Comments (a comment is mandatory if condition "Poor" is selected)
Alignment	E	G	F	P		
Bridge Ahead Signs Missing	0	1	2		N/A	
Brushing Required		Yes		No		
Approach Handrail/Guardrail	E	G	F	P	N/A	
Posted Load Rating (tonnes)					N/A	
Road Surface	E	G	F	P		

GENERAL CULVERT ITEMS						
Baffles	E	G	F	P	N/A	
Bolted Connections	E	G	F	P	N/A	
Coupled Connections	E	G	F	P	N/A	
Coating	E	G	F	P	N/A	
Fill	E	G	F	P	N/A	19 m of fill
Roof	E	G	F	P	N/A	
Side Walls	E	G	F	P	N/A	
Floor	E	G	F	P	N/A	
Head Walls	E	G	F	P	N/A	"1927" embedded
Wing Walls	E	G	F	P	N/A	
Inlet	E	G	F	P	N/A	
Outlet	E	G	F	P	N/A	flare to 1800 wide 7% gradient, aggraded
Riprap	E	G	F	P	N/A	
Trash Rack	E	G	F	P	N/A	Debris build up on trash rack
Aprons or Other Inlet/Outlet Items	E	G	F	P	N/A	
Overall Condition	E	G	F	P	N/A	

FLUMES						
Upstream Flume	E	G	F	P	N/A	
Downstream Flume	E	G	F	P	N/A	

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CHANNEL

Est. Present Water Level Depth (m)	Est. Present Water Level Width (m)	Est. High Water Level Clearance (m)
0.2	2.0	0.5

HAZARDS (indicate Y or N)

High Water?	Scour?	Ice?	Debris?	Aggradation?
Y	Y	N	Y	Y

Hazard Comments	heavy bed-load and debris buildup on trash-rack, aggradation at outlet 850 clearance
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REPAIRS (H = High, M= Medium, L = Low)

#	Priority	Description	Estimate (\$)
1	M	Clear Debris from trash rack	
2			
3			

ITEMS TO MONITOR

#	Description
1	Debris build-up on trash-rack due to high fill for crossing.
2	Aggradation at outlet, velocity of water through pipe should keep outlet clear.
3	Monitor stability of gabion headwalls at outlet, original walls have failed

General Comments	

P. Eng Inspection Required?	Y	N	Estimated Date of Replacement:	2042
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LT inspected on Aug 13/12

PROFESSIONAL ENGINEER (PEng) CERTIFICATION

Current Load Rating GVW (tonnes):	5	New Load Rating GVW (tonnes)		Replacement Date 2042
Reviewed by - P.Eng.	Les Thiessen		Date:	January 16, 2013

Culvert Inspection Photos

Structure # : KV-014

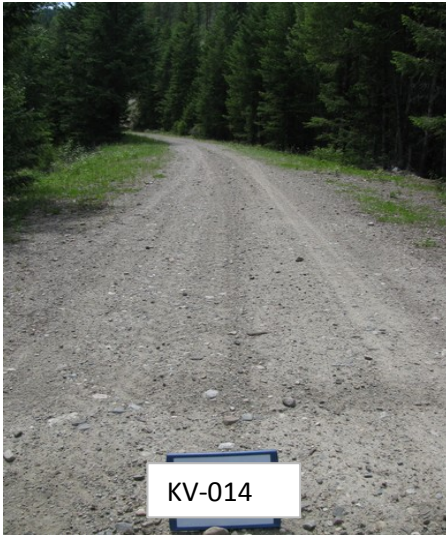
Name of Crossing: WEIRD CREEK

Name of Trail: KVRT

Km: 94.2

Inspection Date: July 9/ 2012

(Left and right as seen facing downstream)



Left Approach



Right Approach



Inlet



Outlet



Trashrack



Outlet 2